

80003

CRUISE REPORT

January 17 & 18, 1980

Location: Insular shelf off Rio de la Plata

Objectives: Second sampling of Rio de la Plata shelf after passage of hurricane David. To determine post-storm recovery and seasonal variation in the shelf sediments.

<u>Personnel:</u>	<u>Shore party</u>	<u>No. of days</u>	<u>Scientific Party on ship</u>	<u>No. of day</u>
	Jose Muniz, P. R. G. S.	2	Jack Morelock (U. P. R.)	2
	Nelson Espinell, P. R. G. S.	2	Kurt Grove (U. S. G. S.)	2
		<u>4</u>		<u>4</u>

4-Man days

Vessel: Research Vessel Jean A
2-ship days

Equipment: Shipek grab sampler, Raytheon depth recorder; on ship navigation: ships radar and radio linked shore based transits.

Results and Comments: First day 29 stations were occupied, and sediment recovered. Second day sea condition were to rough to complete planned dives and further sampling. Depth recorder indicated 10-12 sec waves with as much as 18' heights in 50 feet of water. Turbid water unlike the previous day, covered the entire shelf. The turbid boundry followed contour of the shelf-break probably indicating turbidity do to wave resuspension of mud.

Submitted by: Kurt Grove
Geologist
San Juan, Puerto Rico